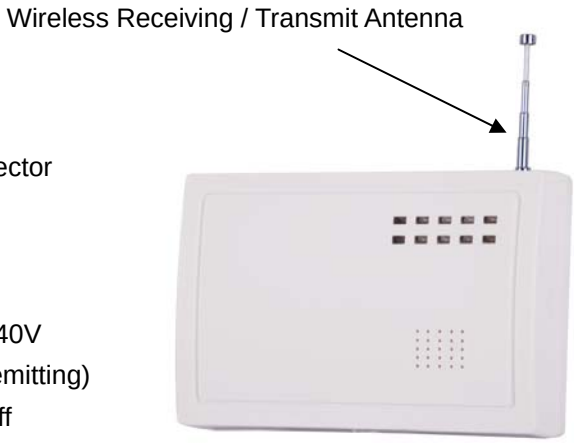
PE-9301 – Wireless Transmitter

User Manual

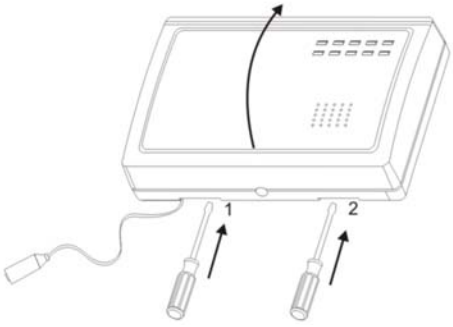
PE-9301 is wireless transmitter, it adopts MCU for core control, the long distance transmit and in the environment of strong obstacle can amplify the signal to alarm control panel, it can convert up to 60 pcs detectors signal, for avoiding interference, it combined with detectors one by one through learn enrollment mode, and only transmit its attached detectors. It also can convert wireless signal up to 10 kil distance through max wireless 15 transmitters, anti-remove alarm function via built-in buzzer, it has own unique wireless address code (9 digit), when on multi-level transmission, it adopts database exchange mode between the levels transmit the signal including itself address code and detector address code to the next transmitter till the final, the other transmitters are not necessary to learn the detector address code except the first transmitter.

Features:

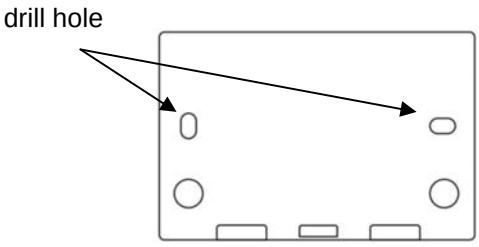
1. receiving sensibility is -113dB
2. wireless transmit distance ≥1500 meter
3. wireless receiving distance ≥120 meter
4. convert is coding free / up to connect 60pcs wireless detector
5. anti-remove alarm function via built-in Buzzer
6. wireless emitting power is <15mW
7. wireless emitting frequency is 433MHz / 868MHz
8. working / operating voltage is DC 9 ~ 24V / AC 180V ~ 240V
9. working / operating current is 25mA (standby) / 150mA (emitting)
10. built-in rechargeable battery up to 8 hours when power off
11. included 15V/1000mA external power adapter
12. dimension is 167*112*40mm / ivory white color



Installation / Open Cover:

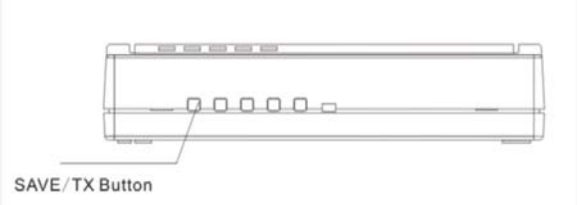


remove fastener 1 and 2 via screwdriver according to arrowhead indication, and then open the cover, you will see the inside configuration.



mark the drill hole and drill holes on the wall firstly, and then using the screws with countersink heads, so that fix the wireless transmitter on the wall stably.

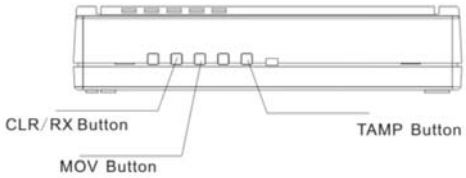
Coding Method:



press "SAVE/TX" button first, and then trigger the wireless detector, after LED-RF and LED-FS light synchronously turn on 1 second, undo the "SAVE/TX" button, it means match code successfully.

Warning: please reduce the match code time as soon as possible, if the time too long, it is probably to match other wireless devices on pressing “SAVE/TX” button.

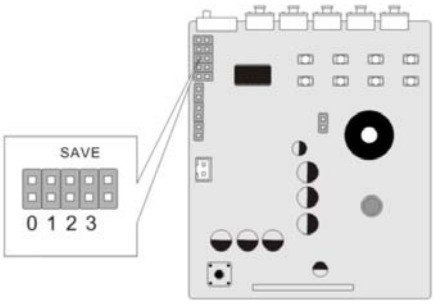
Delete Coding Method:

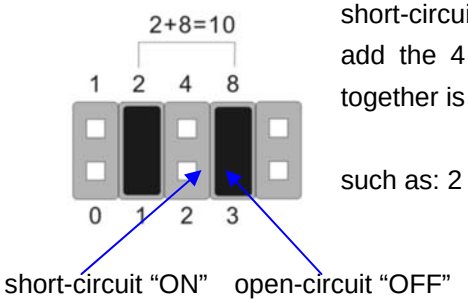


press “CLR/RX” and “MOV” buttons together first, and then trigger the “TAMP” button, LED-RF and LED-FS alternate flash regularly, after these two lights synchronously turn on, undo the “CLR/RX” and “MOV” buttons, then trigger again the “TAMP” button for delect the coding.

Level Setting: (multi-level transmission)

In the wireless transmitter system, it included total of 16 different transmit levels from 0 to 15 through 4 bit address code jumper pin setting, first wireless transmitter that must be setting 0 transmit level, also on the exchanging the database between different levels wireless transmitter, it can not jump over adjacent level, and must be transmit from 0 level to 1 level, one by one level via corresponding wireless transmitter. (like: in a three levels convertors system – wireless trasnmitter x 3pcs, it must setup 0, 1 and 2 level for each one), otherwise, this system can not receiving the alarm signal from wireless device smoothly.





Setting Method:

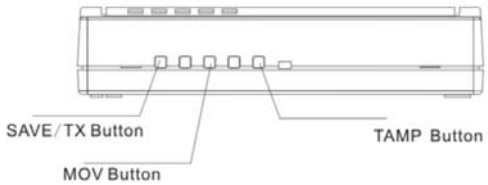
short-circuit “ON”, open-circuit “OFF”

add the 4 switchs corresponding number together is the level number.

such as: 2 + 8 = 10 level

Database Exchange Operation: (after Level Setting)

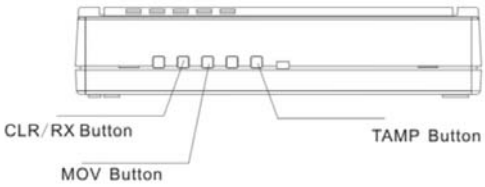
1. Output Operation:



press “SAVE/TX” and “MOV” buttons together first, and then trigger the “TAMP” button, LED-RF and LED-FS alternate flash regularly, after these two lights synchronously turn on, undo the “SAVE/TX” and “MOV” buttons, LED-TX turn on, LED-RF and LED-FS alternate flash regularly on database output mode.

Warning: if undo any buttons of “SAVE/TX” or “MOV” before turn on LED-RF and LED-FS, it will cancel this operation immediately.

2. Input Operation:



press “CLR/RX” and “MOV” buttons together first, and then trigger the “TAMP” button, LED-RF and LED-FS alternate flash regularly, after these two lights synchronously turn on, undo the “CLR/RX” and “MOV” buttons, LED-RX turn on, LED-RF flash on database input mode.

Warning: if undo any buttons of “CLR/RX” or “MOV” before turn on LED-RF and LED-FS, it will cancel this operation immediately.

3. when LED-RF and LED-FS flash alternately after turn on 1 second, it means the data exchang is completed, please trigger the “TAMP” button for exit.

inside configuration

4 pcs transmit level switch button

2 sets screws with countersink heads

Warning: we are not responsible for the problem caused by improper operation or change the product configuration, it may lose the authority of product warranty!